Title (en)

Scrambling of visual content by rearranging patterns over a matrix

Title (de)

Verwürfelung Visueller Inhalte durch Umordnung von Mustern über eine Matrix

Title (fr)

Embrouillage de contenu visuel par réagencement de motifs sur une matrice

Publication

EP 2119232 A2 20091118 (EN)

Application

EP 08709815 A 20080214

Priority

- IB 2008000334 W 20080214
- IN 307DE2007 A 20070214

Abstract (en)

[origin: WO2008099271A2] A method and system for encoding visual information are described. An image is divided in to n number of patterns. Each pattern is mapped on a matrix i.e positioned on X and Y-axis. The patterns are then arranged in a different and new shape for e.g. a rectangle, to that of the original shape of the image but having the same number of patterns or same area. The patterns of pixels are then relocated in the new shape and a matrix is again mapped for the new arrangement of patterns. A key is then generated comprising the information of the encrypted and earlier image. In order to decrypt the encrypted visual content or the encrypted image, the player reads the key or encrypted visual content and decrypts the encrypted visual content or image by means of the information provided by the key.

IPC 8 full level

H04N 7/167 (2011.01); **H04N 21/2347** (2011.01)

CPC (source: EP KR US)

H04L 9/3247 (2013.01 - US); **H04N 7/1675** (2013.01 - EP US); **H04N 21/2347** (2013.01 - EP KR US); **H04N 21/2351** (2013.01 - US); **H04N 21/4405** (2013.01 - KR); H04L 2209/24 (2013.01 - US); H04L 2209/601 (2013.01 - US)

Citation (search report)

See references of WO 2008099271A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2008099271 A2 20080821; **WO 2008099271 A3 20081009**; **WO 2008099271 A8 20091008**; AU 2008215910 A1 20080821; AU 2008215910 B2 20120712; CA 2677933 A1 20080821; CN 101675663 A 20100317; CN 101675663 B 20120829; EP 2119232 A2 20091118; EP 2119232 B1 20141119; ES 2530208 T3 20150227; HK 1142466 A1 20101203; JP 2010518792 A 20100527; JP 2013179594 A 20130909; JP 2013179595 A 20130909; JP 5266259 B2 20130821; JP 5519044 B2 20140611; JP 5519045 B2 20140611; KR 101538338 B1 20150722; KR 20090117946 A 20091116; MY 151920 A 20140731; NZ 579036 A 20121026; PL 2119232 T3 20150430; PT 2119232 E 20150217; TW 200850000 A 20081216; US 2010027791 A1 20100204; US 2013058481 A1 20130307; US 2015244531 A1 20150827; US 8885822 B2 20141111; ZA 200905625 B 20101027

DOCDB simple family (application)

IB 2008000334 W 20080214; AU 2008215910 A 20080214; CA 2677933 A 20080214; CN 200880004993 A 20080214; EP 08709815 A 20080214; ES 08709815 T 20080214; HK 10108807 A 20100916; JP 2009549864 A 20080214; JP 2013044816 A 20130306; JP 2013044817 A 20130306; KR 20097019164 A 20080214; MY PI20080259 A 20080214; NZ 57903608 A 20080214; PL 08709815 T 20080214; PT 08709815 T 20080214; TW 97105263 A 20080214; US 201213566458 A 20120803; US 201514591475 A 20150107; US 52705908 A 20080214; ZA 200905625 A 20080214